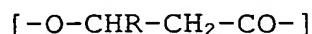


## CLAIMS

## 1. A composition

which comprises kenaf fibers and a poly(3-hydroxyalkanoate) (abbreviation: P3HA) produced by microorganisms and comprising a repeating unit represented by the formula (1):



in the formula, R represents an alkyl group represented by  $C_nH_{2n+1}$  with n representing an integer of 1 to 15.

## 2. The composition according to Claim 1,

wherein the P3HA is poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) comprising a repeating unit of the above formula (1) with, in R, n = 1 and 3.

## 3. The composition according to Claim 2,

wherein the copolymer component composition ratio in the poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) is 3-hydroxybutyrate/3-hydroxyhexanoate = 99/1 to 80/20 (mol/mol).

## 4. The composition according to any one of Claims 1 to 3,

wherein the kenaf fibers account for 1 to 70% by weight and the P3HA accounts for 99 to 30% by weight based on the whole composition.

## 5. The composition according to any one of Claims 1 to 4,

wherein the maximum fiber length of the kenaf fibers is not longer than 20 mm.

## 6. The composition according to any one of Claims 1 to 5,

wherein the DSC curve drawn by differential scanning colorimetry shows an exothermic peak due to crystallization in the case that the temperature is lowered from a level higher by 30°C than the melting point of the P3HA alone at 5 a rate of 10°C/minute, and the heat deformation temperature ( $T_h$ ) of the P3HA alone and the heat deformation temperature ( $T_{h*}$ ) of the composition comprising the kenaf fibers and the P3HA as determined for the respective samples prepared under the same conditions show the relation  $T_{h*} > T_h$ .

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7. The composition according to any one of Claims 1 to 6,

wherein the flexural modulus value, maximum bending strength value and IZOD impact value thereof are not lower 15 than the corresponding values for a P3HA alone having a weight average molecular weight ( $M_w$ ) falling within the range of  $\pm 10\%$  of the weight average molecular weight ( $M_w$ ) of the composition comprising the kenaf fibers and the P3HA, if the values are determined using the respective test 20 specimens prepared using the same formulation and the same molding conditions.

8. An injection-molded product  
which comprises the composition according to any one 25 of Claims 1 to 7.

9. A film- or sheet-shaped molded product comprising the composition according to any one of Claims 1 to 7, or a press-molded product using the same.

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10. A molded product  
which comprises the composition according to any one of Claims 1 to 7,  
the percentage of the area occupied by the kenaf 35 fibers on the molded product surface being not more than

**33**

50%.

**5**

**10**

**15**

**20**

**25**

**30**

**35**